

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method for producing perovskite particles of the formula ABO_3 , wherein A is a metal of lower valency or a mixture of metals of lower valency and B is a metal of high valency or a mixture of metals of higher valency, characterized by the steps comprising:
 - (a) dissolution of the first metal or of the mixture of metals A in an anhydrous solvent or solvent mixture and
 - (b) reaction of the solution from (a) with an alkoxide of the second metal or of the mixture of metals B of the formula $\text{B}(\text{OR})_x$ and/or $\text{B}(\text{OR})_{x-2}$, wherein x is the valency of the metal B and R is a linear or branched alkyl radical having 1 to 30 carbon atoms, whereby from (b) particles are produced.
2. (Currently Amended) The method as claimed in Claim 1, wherein the metal A is selected from the group consisting of alkali metals, alkaline earth metals and/or transition elements.
3. (Currently Amended) The method as claimed in claim 2, wherein the metal A is selected from the group consisting of the monovalent or divalent metals.
4. (Currently Amended) The method as claimed in claim 3, wherein the metal A is selected from the group consisting of strontium and/or barium.
5. (Currently Amended) The method as claimed in Claim 1, wherein the metal B is selected from the group consisting of transition elements and/or metals of groups III and/or IV.
6. (Previously Presented) The method as claimed in Claim 1, wherein the metal B is selected from the group consisting of the tetravalent or pentavalent metals.
7. (Original) The method as claimed in claim 6, wherein the metal B is titanium.
8. (Currently Amended) The method as claimed in Claim 1, wherein the solvent is selected from alcohols, ketones, aldehydes and/or mixtures thereof.
9. (Original) The method as claimed in claim 8, wherein an alcohol or a mixture of an alcohol with a ketone and/or aldehyde is used as the solvent.
10. (Previously Presented) The method as claimed in Claim 1, wherein the alcohol is sterically stabilizing alcohol.

11. (Original) The method as claimed in claim 10, wherein the alcohol is benzyl alcohol.
12. (Previously Presented) The method as claimed in Claim 1, wherein the metal alkoxide in step (b) is titanium isopropoxide.
13. (Previously Presented) The method as claimed in Claim 1, wherein step (b) is carried out at a temperature of from 190 to 220°C.
14. (Previously Presented) The method as claimed in Claim 1, wherein, in step (b), a 10-100-fold excess of the solvent is present.
15. (Previously Presented) The method as claimed in Claim 1, wherein the perovskite particles obtained after step (b) have a mean size of 5-10 nm.